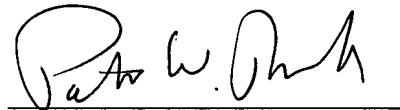


11. (once amended) A current sensing unit according to claim 1, wherein the output signal of at least one of the Hall sensors is supplied to a temperature compensation sensor.

Remarks

Please enter the foregoing preliminary amendment prior to examination of the present application. Claims 1-11 are now pending in this application. Applicants submit that this Amendment adds no new matter.

Respectfully Submitted,



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Pniok et al. :
Serial No.: 10/019,808 : Art Unit: Not yet assigned
Filed: January 19, 2000 : Examiner: Not yet assigned
For: CURRENT METER SENSOR :
:

SUBMISSION OF MARKED UP CLAIMS

Hon. Commissioner for Patents
Washington, D.C. 20231

Submitted herewith are marked up Claims in accordance with 37 C.F.R.
1.121(c)(1)(ii), wherein additions are underlined and deletions are [bracketed].

IN THE CLAIMS

4. (once amended) A current sensing unit according to [any of the preceding claims] claim 1, said two Hall sensors [(1a, 1b)] being arranged such that the conductor [(2)] extends between the two Hall sensors.

5. (once amended) A current sensing unit according to [any of the preceding claims] claim 1, comprising a shield [(3)] mounted around the Hall sensors [(1a, 1b)] and the conductor [(2)].

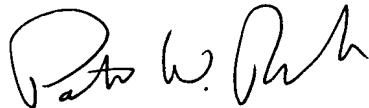
6. (once amended) A current sensing unit according to [any of the preceding claims] claim 1, said conductor [(2)] being a circular conductor.

7. (once amended) A current sensing unit according to [any of the preceding claims] claim 1, said Hall sensors [(1a, 1b)] having the least possible distance to each other.

8. (once amended) A current sensing unit according to [any of the preceding claims] claim 1, said Hall sensors [(1a, 1b)] having the same distance to the conductor [(2)], respectively.

11. (once amended) A current sensing unit according to [any of the preceding claims] claim 1, wherein the output signal of [a] at least one of the Hall [sensor] sensors [(11, 21, 31, 41)] is supplied to a temperature compensation sensor [(12, 22, 32, 42)].

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